

Figure (Comparison of H₂S adsorption on SiO₂ and AgNO₃/SiO₂ at 70°C

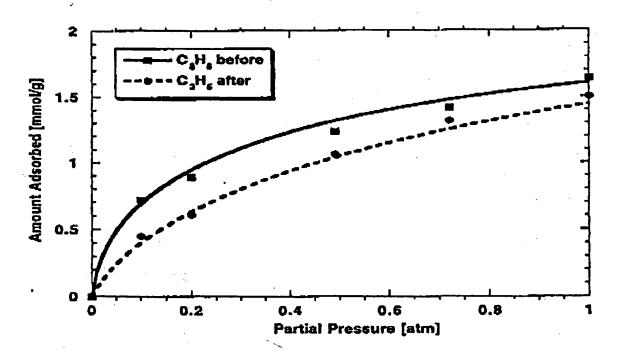
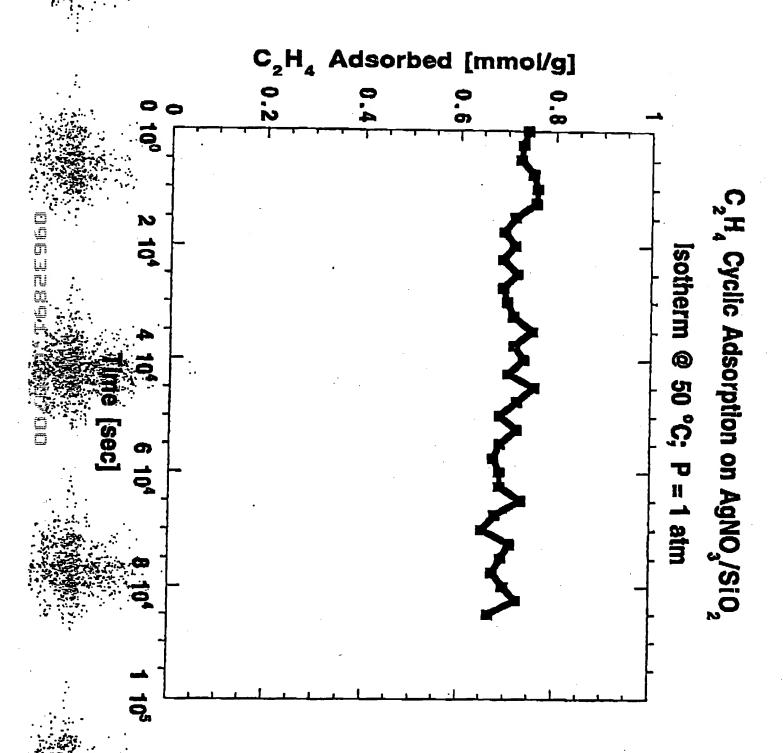
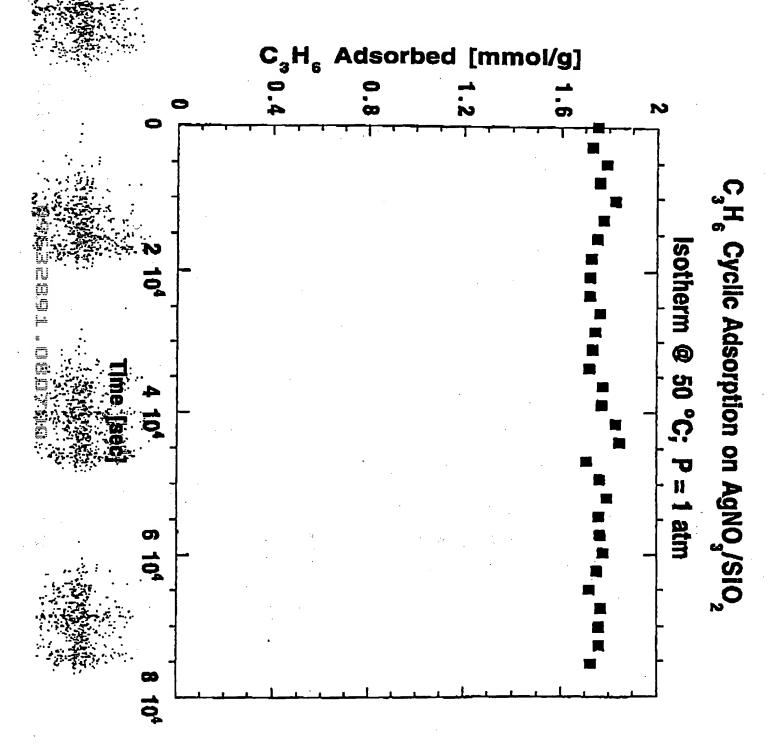


Figure 2. H₂S effect on olefin adsorption on AgNO₃/SiO₂.

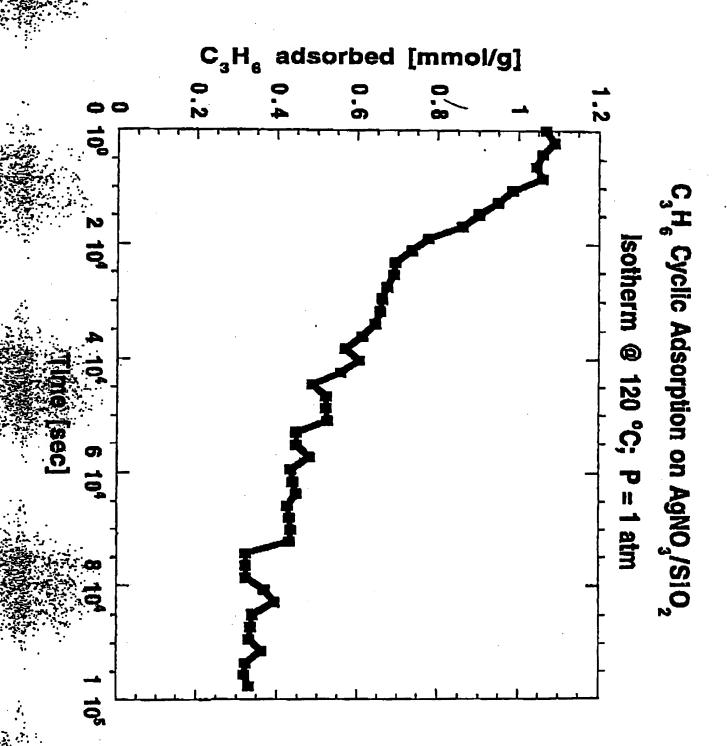




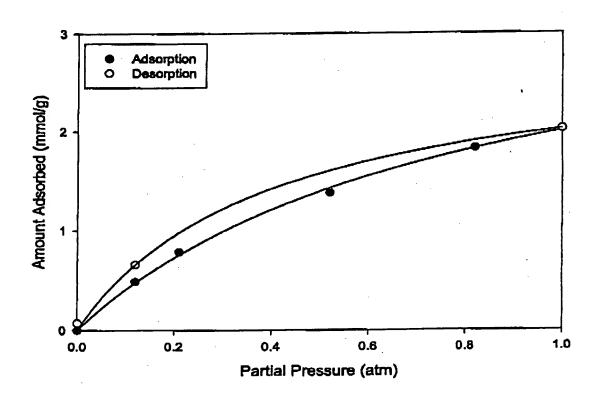
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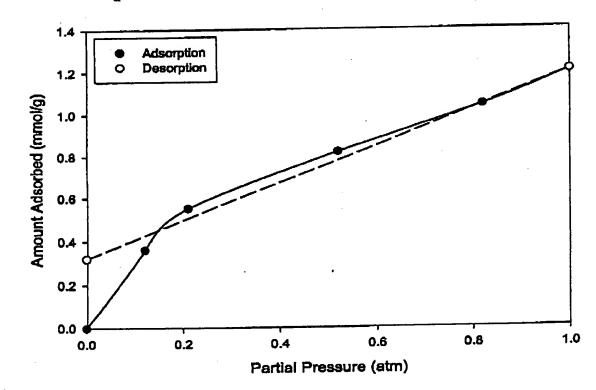


H₂S Adsorption and Desorption on SiO₂ (298K)



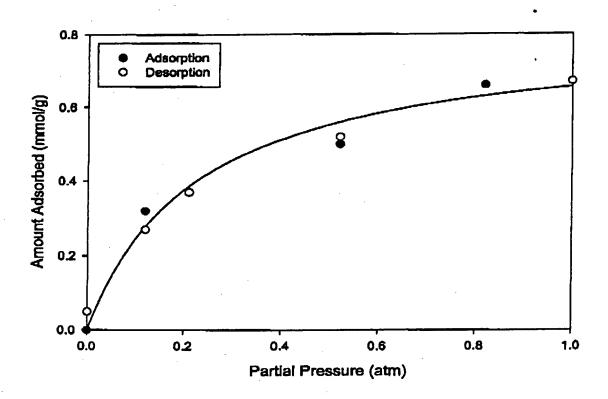
V - 2

H₂S Adsorption and Desorption on AgNO₃/SiO₂ (298K)



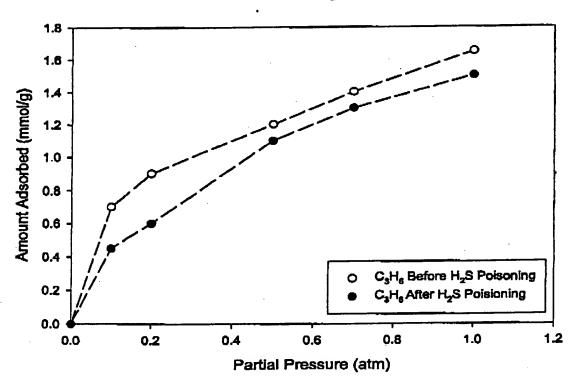


H₂S Adsorption and Desorption on AgNO₃/SIO₂ (343K)

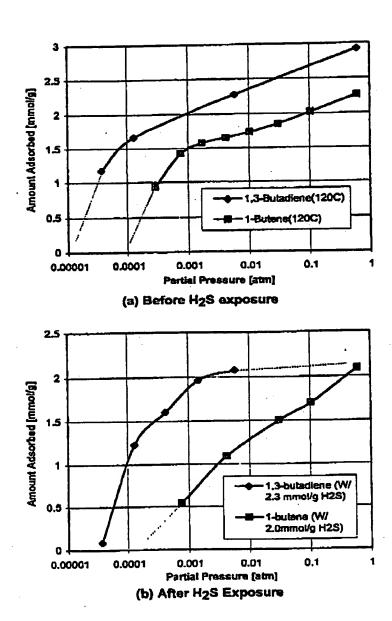




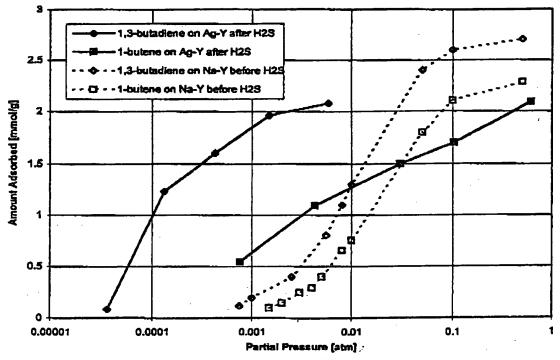
Effect of H₂S Poisoning on AgNO₃/SiO₂ Capacity for C₃H₆ (343K)



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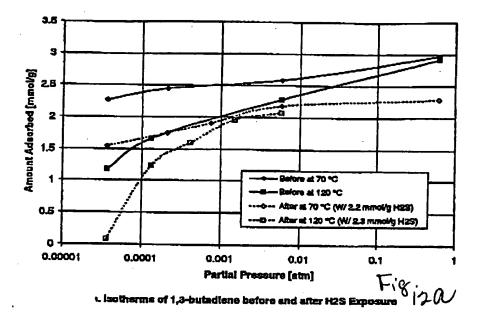


Isotherms of 1,3-butadiene and 1-butene at 120 °C.



. Ag-Y after H2S exposure v.s. Na-Y before H2S exposure

Fig- 11



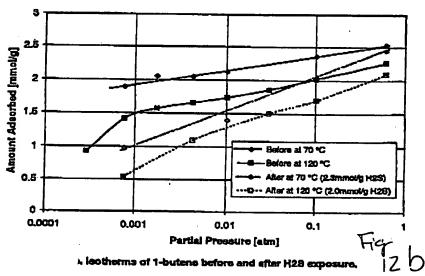
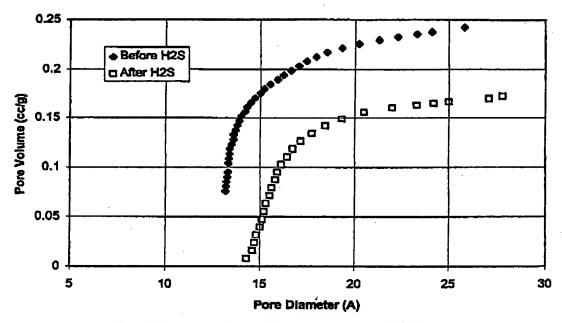


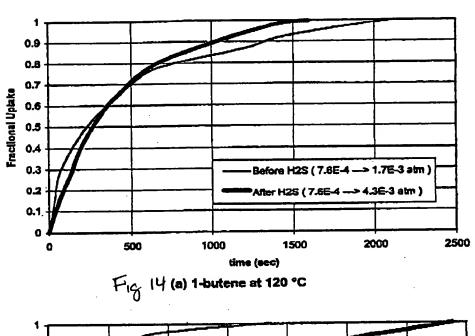
Table. Calculated Heat of Adsorption

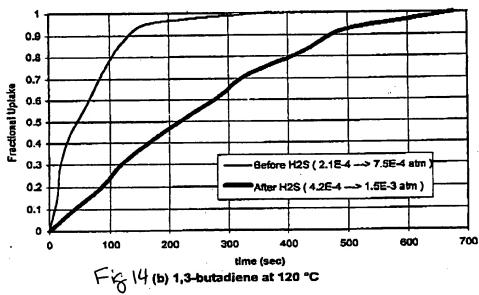
			1.01
	1,3-butadlene	1-butene	HX.
Before H ₂ S Exposure	24-29 kcal/mol	16-22 kcal/mol	ゅうし
After H ₂ S Exposure	7-11 kcal/mol	6-7 kcal/mol	16





Cumulative pore volume of Ag-Y before and after H2S exposure.



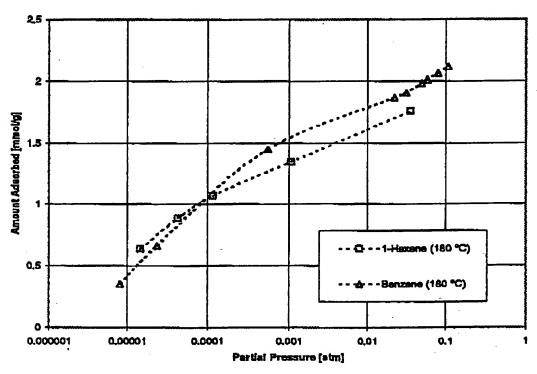


. Fractional uptake curves of 1-butene and 1,3-butadine before and after H2S exposore.

	lable. Dimusion time constants (1/5)
	Before H ₂ S exposure	After H2S exposure
1-butene	1.8x10 ⁻⁴ (7.6x10 ⁻⁴ ->1.7x10 ⁻⁹ atm)	1.5x10 ⁻⁴ (7.6x10 ⁻⁴ >4.3x10 ⁻³ atm)
1,3-butadiene	8.7x10 ⁻⁴ (2.1x10 ⁻⁴ >7.5x10 ⁻⁴ atm)	2.6x10 ⁻⁴ (4.2x10 ⁻⁴ ->1.5x10 ⁻³ atm)

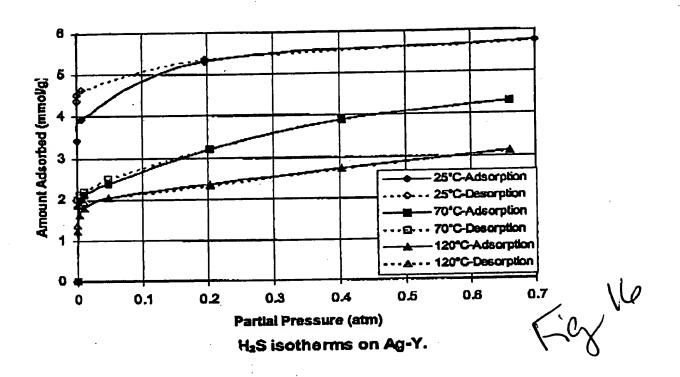
Fig 14C

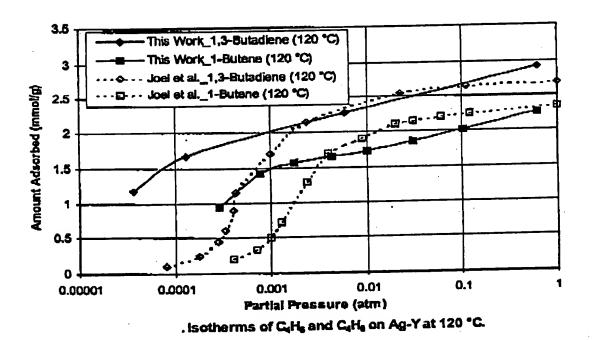
2) Sorbent for purification of 1-Hexene by removal of Benzene.



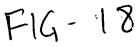
Isotherms of benzene and 1-hexene on Ag-Y.

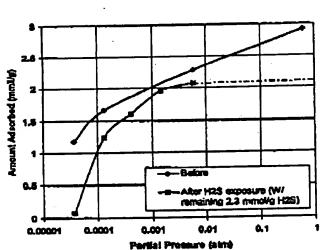
4.81





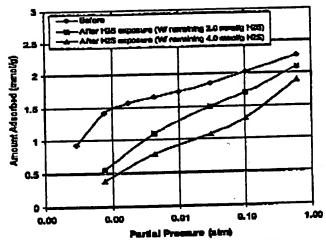
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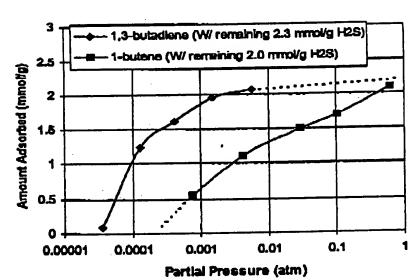


. leatherms of 1,3-butadiene before and after H₀3 exposure at 129 °C.

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leathernes of 1-butene before and after H₆6 exposure at 120 °C.



, isotherms of 1,3-butadiene and 1-butene after H28 exposure.

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